Fujitsu Siemens Computers unveils new generation of Intel-based monoprocessor servers

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Fujitsu Siemens Computers is boosting the appeal of its entry-level monoprocessor servers with the new S2 generation of its PRIMERGY TX150 tower server and RX100 rack server. The PRIMERGY TX150 S2 has been enhanced to operate even more economically while offering better performance and reliability. Its sheer range of functionality and high performance is as convincing as the integration of quality future-oriented technology. The PRIMERGY RX100 S2, meanwhile, symbolizes ultra-compact economy with its improved utility and expanded data center fail safety. Both servers come with Server Management Suite, ensuring simple installation and configuration, as well as a choice of Intel Pentium 4 or Celeron processors. The Pentium-based models will go on sale in Germany at the end of July for prices starting at €1,480 (excl. VAT), while the Intel Celeron version will become available about one month later.

PRIMERGY TX150 S2 tower server

The PRIMERGY TX150 S2 is a multipurpose monoprocessor server that offers excellent performance and scalability and sets new class standards for expansion options. It can be configured either as a cost-optimized variation with new SATA technology (Serial Advanced Technology Attachment), or as a SCSI version with this system's renowned availability features. Because of the various advantages it offers*, SATA technology - offered for the first time in the PRIMERGY TX150-SATA, the S2 forerunner - rapidly established

itself as the new interface standard. RAID 0, 1, 10 functionality for outstanding data security is included even in the entry-level unit.

Applications

The PRIMERGY TX150 S2 offers flexible entry into the world of Intel-based tower servers. The choice of Ultra320 SCSI or SATA hard disk technology makes the TX150 S2 the server of choice for a wide variety of organizations, including mid-sized companies. Because it can be integrated into 19-inch racks, the PRIMERGY TX150 S2 can also be put to use for special data center tasks.

The server is suited to precisely those areas where performance and scalability need to go hand in hand with high system availability for continuous operation. The target groups include small organizations that deploy department-level servers for various tasks and infrastructure services, as well as branch offices that use application servers for dedicated applications. Classic areas of deployment include business, industry and office applications. The TX150 S2 also supports special applications. It can act as a file or print server, an Internet or Intranet server, a communication server for gateways, firewalls, or as a web server.

Technical highlights

- 2.8 GHz Intel Celeron processor / 533 MHz Front Side Bus / 256 KB SLC (second-level cache), (or) 2.8, 3.0 or 3.2 GHz Intel Pentium 4 processors / 800 MHz Front Side Bus / 1 MB SLC.
- Up to 4 GB DDR SDRAM PC3200, ECC.
- Up to four (7) SCSI hard disks (max. 1022 GB) or four SATA hard disks (max. 640 GB).
- Two PCI-X 64-bit / 66 MHz (1x short, 1x ZCR), two PCI 32-bit / 33 MHz slots, 5V.
- SCSI RAID 1 (IME) onboard, ZCR option, (or) SATA RAID 0, 1, 10 (5 optional) PCI slot.

- Ethernet LAN 10/100/1000 Mbit/s ports.
- Onboard server management controller for simple administration with PRIMERGY ServerView Suite products (ServerStart and ServerView).
- Four LEDs for power/standby, hard disk activity, system status and identification on front panel, two LEDs for system status and identification on rear.
- RemoteView, RemoteView Service Board (RSB), chipDISK and hot-plug, redundant power supply available as options.

PRIMERGY RX100 S2 rack server

The PRIMERGY RX100 S2 is an energy saving monoprocessor rack server measuring one height unit (1 HU) and incorporating SATA hard disk technology with onboard RAID 0 and 1 functionality. The combination of its compact size combined and optimized server management result in a lean IT infrastructure that is simple to administer, thus saving time and money. The functionality and price-performance make the exceptionally competitive PRIMERGY RX100 S2 ideal for data center solutions and server farm concepts running 19-inch rack environments.

The PRIMERGY RX100 S2 is the first PRIMERGY mono-rack server that can be operated either with two fixed “easy change” or two hot-plug SATA hard disks with a capacity of up to 320 GB. The new SATA RAID technology allows configurations with either mirror disks or “striped disks”, thus providing the same RAID/hot-plug functionality as comparable SCSI models at an attractive price.

Applications

Thanks to its enhanced functionality and security, the PRIMERGY RX100 S2 offers an easy path of entry into the rack server segment. Expandable, manageable and easy to maintain, this high-performance thin server has been designed to meet all the needs of a demanding client group, including Internet and Application Service Providers (ISPs /

ASPs), dot.coms and data center customers.

Other typical RX100 S2 application areas at present range from infrastructure or connectivity servers and front-end servers in multi-tier scenarios to terminal servers with connected storage subsystems. Configuration of the PRIMERGY RX100 S2 is so flexible and versatile that the most favorable platform can be provided for every application.

Technical highlights
- 2.8 GHz Intel Celeron processor / 533 MHz Front Side Bus / 256 KB SLC (second-level cache), (or) 2.8, 3.0 or 3.2 GHz Intel Pentium 4 processors at / 800 MHz Front Side Bus / 1 MB SLC.
- Up to 4 GB DDR RAM PC3200, ECC.
- Up to two SATA hot-plug or easy-change hard disks (max. 320 GB).
- SATA RAID 0, 1 onboard for non hot-plug and hot-plug.
- Two PCI 64-bit / 66 MHz slots.
- Two Ethernet LAN 10/100/1000 Mbit/s ports.
- One 3.5-inch floppy disk, one optional 5.25-inch CD/DVD drive.
- Operating panel and LEDs for simple integration, operation and identification in 19-inch racks.
- Onboard server management controller for comprehensive server and server management functionality with PRIMERGY ServerView Suite products (ServerStart and ServerView).
- Optional RemoteView.

* These advantages are evident in configurations of two or more SATA hard disks (up to four are possible). The PRIMERGY TX150 S2 with Intel Pentium 4 processor offers a clear price benefit compared to a SCSI solution, as two SATA hard disks can be purchased for the same price as a single SCSI disk of equal capacity. At the same time, the server offers failsafe operation, reduced downtimes and perfect serviceability since the data is backed up by means of RAID 1 controllers and the hot-plug capability of the hard disks.

The original press release can be found here.